

# Travis Gray

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My name is Travis Gray. I am a motivated individual looking for like minds. I pride myself in my ability to think outside the box to create simple solutions to otherwise complex problems. I am in search of a position with a great team who enjoys their daily tasks. Over the years, I have sharpened my skills as a software developer, problem solver, and support specialist. I am open to remote positions.

As a software developer, I find my best skill is adaptation. I'll find the right language for the task, learn the paradigm, and efficiently complete the task.

As an IT specialist, I find my most valuable skill is simplifying technology for those who have zero computing experience. I will have a 90-year-old editing registries.

I look forward to hearing from you. Feel free to contact me about open positions.

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## TECHNICAL SKILLS

Python, Windows, Linux, VPN, JavaScript, HTML, CSS, Database's, GitHub, Git	> 10 years
C, C++, Java, JQuery ,Google Cloud API's, TCP, UDP, IP, DNS, LAN	6 - 8 years
IOS, Networking, Node.js, Haskell, .NET,	< 6 years

## SOFT SKILLS / PASSIONS ( *Skills beyond technical expertise* )

Time Management	Standup comedy	Carpentry	Mathematics	Gold Mining
Story telling	Writing	Video Editing	Garden / Aquaponics	Problem Solving
Communication	Public Speaking	Teamwork	Outdoorsmen	Shipping

## EDUCATION

**Oregon State University** | *Bachelor of Science in Computer Science* 2014 - 2019

- Coursework included data structures, software engineering, computer ethics, and application and system design group electives.
- I designed an education course for teens ages 9 - 15 for the Oregon Museum of Science and Industry (OMSI).
- I was the only student ( out of 200 ) to complete the extra assignment in the Assembly language class. Converting morse code to English and vice versa.

**Oregon State University** | *Associate Degree in Business* 2017 - 2019

- I placed 3rd out of 60 teams of 5 students each (300) in a marketing competition. I developed a marketing plan called PVC marketing which involved advertising using modern methods such as podcasts, viral campaigns, and community development for word-of-mouth advertising. I created this plan in early 2016. A fair number of companies, such as Squarespace; CBD MD; and MeUndies, have adopted a version of this model in recent years.

## MY BUSINESS

**President / Co-Founder** August 2022 - Present

**ICE CUBED LLC** | Merlin, OR | 3 members

Ice<sup>3</sup> LLC is my first business. We are in our second year of producing ice the modern way. Ice<sup>3</sup> is proud to say we have provided over **6 Tonnes** of ice to our community at the most affordable prices.

As Oregon's first "On the Spot" water and ice vending service, Ice<sup>3</sup> has set itself apart by adopting a forward-thinking manufacturing model. Guided by the principles of Manufacturing 4.0, the company manufactures its products only after an order is placed, ensuring that no capital is spent unless it directly generates revenue. This approach, combined with strategic use of existing infrastructure and a strong market demand, has allowed Ice<sup>3</sup> to minimize startup costs, maximize ROI, and deliver a unique, high-quality service to its customers.

We've achieved consistent cash flow, putting us in a solid financial position as we look toward expanding our footprint in the coming year.

## PROFESSIONAL EXPERIENCE

### IoT Specialist - RFID / Computer Vision

October 2023 - Present

**MasterBrand Cabinets** | Grants Pass, OR | *Fortune 500*, 13,600 employees

I was in charge of the implementation of an over 100 device IoT network targeting RFID technology to deliver information and run logic on their wood products.

This opportunity had me collaborating with machine operators directly to design tailored retrofitted RFID systems, locally with the management class, nationally with the executive leadership, and globally with our devops team across seas. I feel it greatly expanded my ability and confidence to interact with all aspects of the corporate structure.

#### Key Accomplishments:

- The implementation of an “RFID Slotting station” resulting in over 70% general drop in sequence related defects on tagged products. Over 100% drop in some defects. \$20,000 direct annual reduction in scrap and unknown labor savings.
- Designed a vision system to flag defective products so the company would not send out bad cabinet parts. Used Kepware Computer Vision equipment.
- Taylor fitted many different manufacturing paradigms to solve unique problems for individual stations and manufacturing steps.
- Retrofitted an ethernet connected Door Clamp with RFID equipment so it can size itself using the RFID information. To complete this, I designed a software layer I call the “RFID Equip Wrapper” that leverages tag scan rate as a clock to trigger sizing events.

### Sys Admin / Technology Consultant / Developer

August 2021 - April 2023

**Swanson Group Manufacturing LLC** | Glendale, OR | 1000 employees

#### Key Accomplishments:

- Led major IT projects including PC upgrades, Active Directory migrations, and domain transitions.
- Designed and developed full-stack software to process and consolidate monthly expense reports, enabling executives and shareholders to access clean, actionable financial data.
- Provided day-to-day IT support, resolving issues efficiently via phone, email, and in-person assistance.

### IT Specialist and Remediation Coordinator

March 2021 - June, 2021

**LAM Research** | Tualatin, OR | *Fortune 500*, 17,450 employees

Managed selection and placement of machines for newly hired employees, interns, and roll changes. Identify more efficient methods to improve LAM workflow, present solutions when found, and directly influence growth of the existing LAM workflow.

Quickly learn and adapt to the ever-changing landscape of the remote workplace. I worked on a team of 7 people from developers to tech consultants.

#### Key Accomplishments:

- Worked with supply chain and shipping routes. Printed shipping labels and delivered supplies around LAM's campus.
- I presented to the North American team. The presentation revolved around updating your workflow.
- Helped develop barcode software to check for missing data.
- Built a POC asset management system demo using spreadsheet software.
- Helped Sr. Directors and even a VP with a few tasks in my time with LAM

### Software Developer

Jan 2020 - March 2021

During the COVID-19 pandemic, I pivoted to freelance software development and independent research to deepen my technical expertise in full-stack development, modern web technologies, and automation tools.

**Web Application Development** | KIBS INC | Redmond, OR

- KIBS Quote tool had me reimagining a legacy system. I have written a full stack application to create quotes for KIBS based on customer sales requests. This software will serve to be the backbone of KIBS and will power their company for years to come.

- Quote generation tool used to tweak the numbers to provide greater profit margins.
- I used both my skills in business, and my skills as a developer in this project. I would deal with shipping routes as well.
- Python, API endpoints (Flask), Networking, IP Protocol, File IO, HTML, JavaScript, SMTP, and more.
- Worked closely with the owner and intern to complete this project.

#### **Marketplace Data Scraper | GO2 INC | Bend, OR**

- Scraped data from the Facebook marketplace to find the best deals for my client. This project had me using scraping tools such as BeautifulSoup, URLLib, HTML, JavaScript.
- This tool would allow my client to word search in more than 100 locations at a time and present the best deals based off these results.

#### **Web Infrastructures | GO2 INC | Bend, OR**

- Developed multiple web infrastructure for small businesses around southern Oregon and central Oregon  
<https://sunlightsolar.com/rv-solar-panel-installation/>
- Video / Media production for the sites.
- Online store for the products on these sites

## Technical Consultant

Sep 2015 – Aug 2019

### Oregon State University College of Forestry | Corvallis, OR

- Provided technical support to faculty and graduate students
- Used Python to create web interfaces for serving new reservations system
- Provided on the fly fixes to university workstations and classrooms
- Used Python to develop a string parser to decide which accounts to charge
- Extended existing "Lab Shutdown" software to enable user to select rooms specific to building
- Email, Phone, and in person scheduling for services.

## Machine Operator

2011 - 2014

### Swanson Group | Glendale, OR

- Managed pieces of machinery which, if handled incorrectly, would result in total failure of the line. Highly stressful
- Learned responsibility by money management and paying taxes and other means that come with a job at 16.

## PROJECT WORK

Title	Description	Skills Developed
Enterprise RFID IoT Application		
Bookkeeper Tool	This software takes a large amount of monthly expense reports from the managers / leads, cleans them up, then compiles them into a form in which the shareholders can easily access information.	Real world application. Used to
Personal "Siri" Application	Voice activated software for my desktop. Triggered with a keyboard shortcut. Used to open websites, applications, and perform functions.	Python, Voice recognition, Speech recognition, HTTP Requests, OS manipulation, etc.
PikaPidia	Pokémon Database application used to look up information on different Pokémon.	Front End / Back End Development, Data Scraping, Data Analysis, Indexing.
Podcast Transcript Generator	Generated a transcript and timestamps for podcasts (other media too). The user could browse and search these transcripts after.	HTML, Flask, sound analysis.